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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/650,055	08/26/2003	Bernhard Sell	P2001,0119	7375	
7590 11/08/2004			EXAMINER		
LERNER AND GREENBERG, P.A.			SCHILLINGER, LAURA M		
POST OFFICE BOX 2480 HOLLYWOOD, FL 33022-2480			ART UNIT	PAPER NUMBER	
			2813		

DATE MAILED: 11/08/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Appli	icant(s)			
Office Action Summary		10/650,055	SELL	. ET AL.			
		Examiner	Art U	nit			
		Laura M Schillinger					
Period fo	The MAILING DATE of this communication ap or Reply	pears on the cover s	heet with the corresp	ondence address	\$ 		
A SH THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLEMAILING DATE OF THIS COMMUNICATION. Insions of time may be available under the provisions of 37 CFR 1. SIX (6) MONTHS from the mailing date of this communication. In a period for reply specified above is less than thirty (30) days, a replement of the provision	136(a). In no event, howeve oly within the statutory minim will apply and will expire SIX te, cause the application to be	r, may a reply be timely filed um of thirty (30) days will be (6) MONTHS from the maili ecome ABANDONED (35 U.	considered timely. ng date of this commun S.C. § 133).	lication.		
Status							
1) 又	Responsive to communication(s) filed on 21,	April 2004.	•				
·	•	s action is non-final.					
3)□	<u>-</u>						
Disposit	ion of Claims						
5) 6) 7)	Claim(s) 1-18 is/are pending in the application 4a) Of the above claim(s) is/are withdra Claim(s) is/are allowed. Claim(s) is/are rejected. Claim(s) is/are objected to. Claim(s) 1-18 are subject to restriction and/or	awn from considerat					
Applicat	ion Papers						
10)	The specification is objected to by the Examina The drawing(s) filed on is/are: a) ac Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examination.	cepted or b) object ce drawing(s) be held in ction is required if the	abeyance. See 37 Cl drawing(s) is objected	FR 1.85(a). to. See 37 CFR 1.			
Driority	under 35 U.S.C. § 119						
12)⊠ a)	Acknowledgment is made of a claim for foreig All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the pri application from the International Bures See the attached detailed Office action for a list	nts have been receiv nts have been receiv ority documents hav au (PCT Rule 17.2(a	ed. ed in Application No e been received in tl)).		je		
2) Notice 3) Infor	nt(s) ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) rmation Disclosure Statement(s) (PTO-1449 or PTO/SB/08 er No(s)/Mail Date	P ₃ 5) □ N	terview Summary (PTO-4 aper No(s)/Mail Date otice of Informal Patent A her:	·)		

Application/Control Number: 10/650,055

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DETAILED ACTION

Election/Restrictions

This application contains claims directed to the following patentably distinct species of the claimed invention:

Species 1, claims 1-3, 7-8, 10 pertaining to a method of fabricating a storage capacitor having a vertical structure;

Species 2, claims 4-5, pertaining to a method of forming a memory cell including forming a storage capacitor having a vertical structure;

Species 3, claims 6, pertaining to a method for forming a trench capacitor including forming a storage capacitor having a vertical structure configured within a trench and adjoining a wall of the trench;

Species 4, claim 9, pertaining to a method of fabricating a stacked capacitor;

Species 5, claim 11, pertaining to a method of forming a memory cell including an increased surface area;

Species 6, claims 12-13, 16 pertaining to a method of forming a trench capacitor including forming a metal silicide on uncovered silicon regions so that the capacitor is partially configured in the trench;

Species 7, claims 14-15, 17-18, pertaining to a method of forming a memory cell including a trench capacitor having a metal silicide on uncovered silicon regions so that the capacitor is partially configured in the trench and connecting the upper capacitor electrode to the source or drain of a selection transistor.

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Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, there is no generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

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Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura M Schillinger whose telephone number is (571) 272-1697. The examiner can normally be reached on M-T, R-F 7:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl W Whitehead, Jr. can be reached on (571) 272-1702. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LMS

11/10/04